

WHAT IS CLAIMED IS:

1. An adsorbent ^{for} purification of automobile exhaust gas, comprising a high-silica zeolite having a Si/Al ratio of not less than 40.

2. The adsorbent of claim 1, wherein a catalyst component is supported on said adsorbent.

3. An adsorbent structure comprising:
a honeycomb structure having a periphery and two ends, including a plurality of passages which are defined by partition walls and extend in an axial direction between the ends; and

a composition including a zeolite coated on the partition walls.

4. The adsorbent structure of claim 3, wherein the zeolite is a high-silica zeolite having a Si/Al ^{atomic} ratio of not less than 40.

5. The adsorbent structure of claim 3, wherein the composition comprises a mixture of (a) zeolite and (b) a (heat-resistant oxide) loaded with a noble metal.

6. The adsorbent structure of claim 3, wherein the composition comprises a mixture of (a) zeolite loaded with a noble metal and (b) (a heat-resistant oxide) loaded with a noble metal.

7. The adsorbent structure of claim 3, wherein the composition includes a first layer comprising (a) zeolite, and a second layer comprising (b) a heat-resistant oxide loaded with a noble metal.

8. The adsorbent structure of claim 3, wherein the composition includes a first layer comprising (a) zeolite loaded with noble metal, and a second layer comprising (b) heat-resistant oxide loaded with a noble metal.

Sub
B1

Sub
B25

G
03557555
1031637

Sub
B3

add
a11

add
B1

ADD
B4

add
B3